

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A wireless communication device performing wireless communication, comprising:

a transceiver for transmitting and receiving data externally; and

a controller for processing the data received from the transceiver, the wireless communication device operating as a slave that is connected to the master, the controller for receiving a polling data addressed to the wireless communication device from a master through the transceiver, and temporarily stopping the operation of the transceiver for a sleep period which is determined by using the number of other slaves connected to the master.

2. (original): The device as claimed in claim 1, wherein the controller calculates the sleep period by multiplying a predetermined time slot to a doubled number of the other slaves.

3. (original): The device as claimed in claim 2, wherein the predetermined time slot corresponds to 625 μ second.

4. (original): The device as claimed in claim 1, wherein the master sequentially transmits the polling data according to a predetermined slave order, and the controller, upon receipt of the polling data addressed to the device, stops the operation of the transceiver for the sleep period after a completion of the data transmission.

5. (currently amended): A controlling method of a wireless communication device performing wireless communication, comprising the steps of:

- i) detecting whether a polling data addressed to the device is received from a master;
- ii) transmitting data to the master when the polling data addressed to the device is received, and stopping a data reception from the master for a predetermined sleep period;
- iii) identifying whether the sleep period has elapsed; and
- iv) repeating the steps i) and ii) at least once, when determining the sleep period has elapsed,

wherein the step iv) is repeated based on whether a change occurs in a number of slaves connected to a piconet of the master.

6. (currently amended): ~~The method as claimed in claim 5,~~ A controlling method of a wireless communication device performing wireless communication, comprising the steps of:

- i) detecting whether a polling data addressed to the device is received from a master;
- ii) transmitting data to the master when the polling data addressed to the device is received, and stopping a data reception from the master for a predetermined sleep period;
- iii) identifying whether the sleep period has elapsed; and
- iv) repeating the steps i) and ii) at least once, when determining the sleep period has elapsed,

wherein the sleep period is calculated by multiplying the predetermined time slot to a doubled number of other slaves connected to the master, by using connection state information received from the master.

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7. (original): The method as claimed in claim 6, wherein the time slot corresponds to 625μ second.